PROPOSED SIGNALS

3 — R, Y, G — 12"

1,2,4-8 — R, Y, G — 12"

9 — LEFT TURN YIELD ON GREEN — R10-12 30"x36"

PROPOSED SIGNS

10 — Brock Bridge Rd — D-3(1) 16"x96" DUAL FACED

11,14,15 — NEW — W3-3 36"x36"

12,13 — RIGHT LANE MUST TURN RIGHT — R3-7(R) 30"x30"

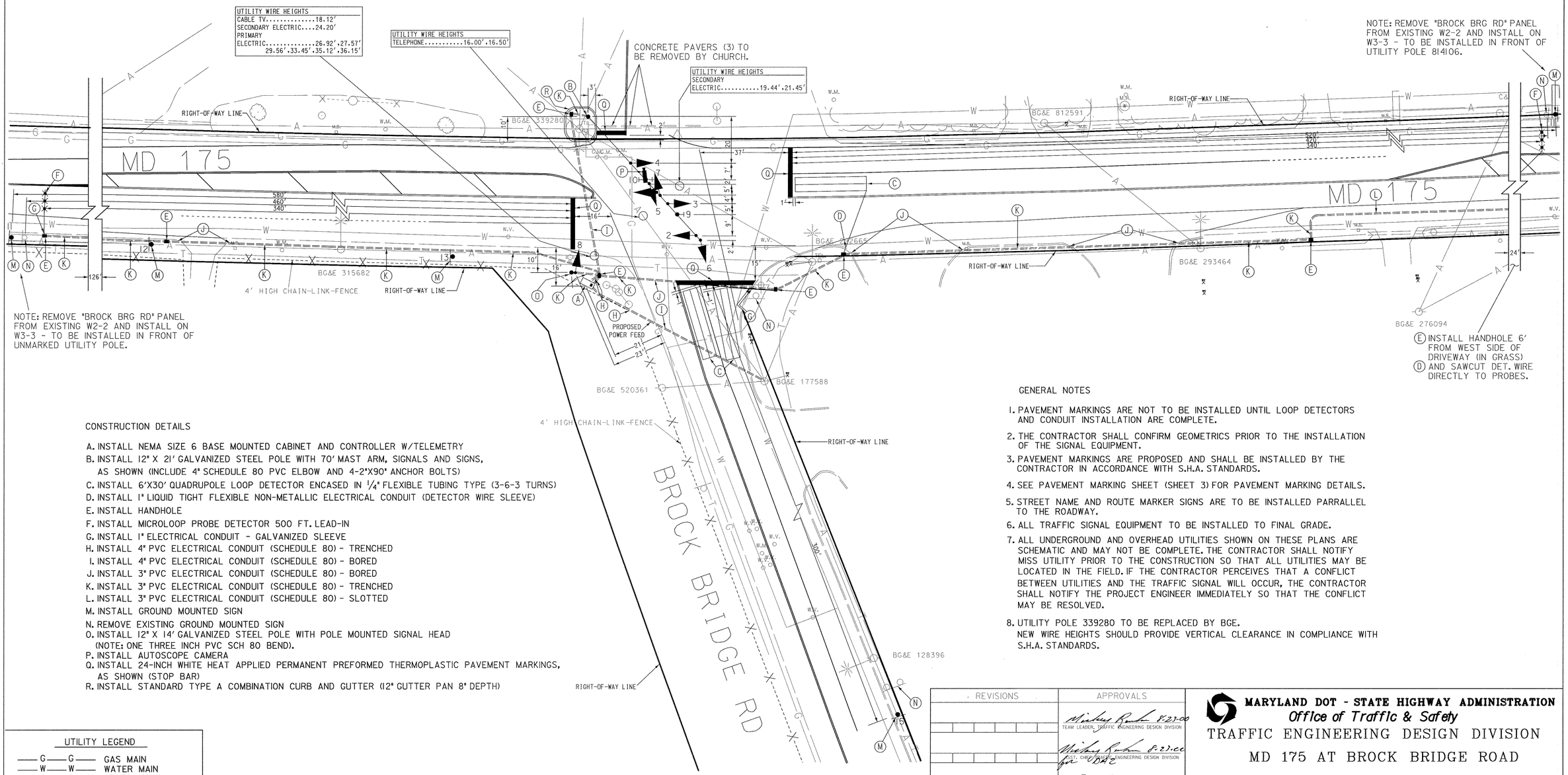
NEMA PHASING

Ø2 Ø4 Ø5 Ø6 Ø8

FLASHING OPERATION

PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY
PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY

MD 175 IS ASSUMED TO RUN IN AN EAST/WEST DIRECTION



CONSTRUCTION DETAILS

A. INSTALL NEMA SIZE 6 BASE MOUNTED CABINET AND CONTROLLER W/TELEMETRY
B. INSTALL 12' X 21' GALVANIZED STEEL POLE WITH 70' MAST ARM, SIGNALS AND SIGNS, AS SHOWN (INCLUDE 4" SCHEDULE 80 PVC ELBOW AND 4-2"X90" ANCHOR BOLTS)
C. INSTALL 6'X30' QUADRUPOLE LOOP DETECTOR ENCASED IN 1/4" FLEXIBLE TUBING TYPE (3-6-3 TURNS)
D. INSTALL 1" LIQUID TIGHT FLEXIBLE NON-METALLIC ELECTRICAL CONDUIT (DETECTOR WIRE SLEEVE)
E. INSTALL HANDHOLE
F. INSTALL MICROLOOP PROBE DETECTOR 500 FT. LEAD-IN
G. INSTALL 1" ELECTRICAL CONDUIT - GALVANIZED SLEEVE
H. INSTALL 4" PVC ELECTRICAL CONDUIT (SCHEDULE 80) - TRENCHED
I. INSTALL 4" PVC ELECTRICAL CONDUIT (SCHEDULE 80) - BORED
J. INSTALL 3" PVC ELECTRICAL CONDUIT (SCHEDULE 80) - BORED
K. INSTALL 3" PVC ELECTRICAL CONDUIT (SCHEDULE 80) - TRENCHED
L. INSTALL 3" PVC ELECTRICAL CONDUIT (SCHEDULE 80) - SLOTTED
M. INSTALL GROUND MOUNTED SIGN
N. REMOVE EXISTING GROUND MOUNTED SIGN
O. INSTALL 12' X 14' GALVANIZED STEEL POLE WITH POLE MOUNTED SIGNAL HEAD (NOTE: ONE THREE INCH PVC SCH 80 BEND).
P. INSTALL AUTOSCOPE CAMERA
Q. INSTALL 24-INCH WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS, AS SHOWN (STOP BAR)
R. INSTALL STANDARD TYPE A COMBINATION CURB AND GUTTER (12" GUTTER PAN 8" DEPTH)

GENERAL NOTES

1. PAVEMENT MARKINGS ARE NOT TO BE INSTALLED UNTIL LOOP DETECTORS AND CONDUIT INSTALLATION ARE COMPLETE.
2. THE CONTRACTOR SHALL CONFIRM GEOMETRICS PRIOR TO THE INSTALLATION OF THE SIGNAL EQUIPMENT.
3. PAVEMENT MARKINGS ARE PROPOSED AND SHALL BE INSTALLED BY THE CONTRACTOR IN ACCORDANCE WITH S.H.A. STANDARDS.
4. SEE PAVEMENT MARKING SHEET (SHEET 3) FOR PAVEMENT MARKING DETAILS.
5. STREET NAME AND ROUTE MARKER SIGNS ARE TO BE INSTALLED PARRALLEL TO THE ROADWAY.
6. ALL TRAFFIC SIGNAL EQUIPMENT TO BE INSTALLED TO FINAL GRADE.
7. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL NOTIFY MISS UTILITY PRIOR TO THE CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.
8. UTILITY POLE 339280 TO BE REPLACED BY BGE. NEW WIRE HEIGHTS SHOULD PROVIDE VERTICAL CLEARANCE IN COMPLIANCE WITH S.H.A. STANDARDS.

UTILITY LEGEND

GAS MAIN
WATER MAIN
SEWER MAIN
ELECTRIC CABLES
AERIAL CABLES
TELEPHONE CABLES

JOHNSON, MIRMIRAN & THOMPSON
Engineering A Brighter Future
72 Loveton Circle Baltimore, Maryland 21152-0949

REVISIONS

APPROVALS

Mickey Rucker 8.23.00
TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION

Mickey Rucker 8.23.00
for CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

8/25/00
CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

8/31
DIRECTOR, TRAFFIC & SAFETY

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
MD 175 AT BROCK BRIDGE ROAD

DRAWN BY:	D. URBANEK	F.A.P. NO.	
CHECKED BY:	M. WOLNIAK	S.H.A. NO.	AA 693 A55 / B55
SCALE:	1"=20'	COUNTY:	ANNE ARUNDEL
DATE:	22 AUGUST 2000	LOG MILE:	8.91

TS NO.
T.I.M.S. NO.
SHEET NO. 1 OF 3

FILE: md175sgnd175brook2.dgn
DATE: 19-Aug-00 12:48